

ABSTRACT OF THE DISCLOSURE

This invention relates to filterable composite adsorbents comprising one or more adsorbent components and one or more filtration components, and methods for preparing and using same. More particularly, this invention pertains to filterable composite adsorbents and filterable composite adsorbent products which are suitable for use in filtration applications, and which comprise one or more microparticulate or colloidal adsorbent components selected from the group consisting of silica gel, fumed silica, neutral clay, alkaline clay, zeolite, solid catalyst, alumina, adsorbent polymer, alkaline earth silicate hydrate, and combinations thereof, which bear the property of adsorption, which are intimately bound to one or more functional filtration components selected from the group consisting of biogenic silica (*e.g.*, diatomite, rice hull ash, sponge spicules), natural glass (*e.g.*, expanded perlite, pumice, expanded pumice, pumicite, expanded obsidian, expanded volcanic ash), buoyant glass, buoyant polymer, cellulose, and combinations thereof, which bear a distinguishing porous and intricate structure and buoyancy suitable for filtration.